



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JANUARY 17, 2001

PTAS

SWABEY OGILVY RENAULT  
MAX R. WOOD  
1981 MCGILL COLLEGE AVENUE  
SUITE 1600  
MONTREAL, QUEBEC, CANADA H3A 2Y3



\*101518921A\*

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/18/2000

REEL/FRAME: 011237/0058  
NUMBER OF PAGES: 5

BRIEF: AFFIDAVIT

ASSIGNOR:  
SKOLL, DAVID F.

DOC DATE: 10/13/2000

ASSIGNEE:  
CHIPWORKS  
3685 RICHMOND ROAD  
SUITE 500  
OTTAWA, ONTARIO, CANADA K2H 5B7

SERIAL NUMBER: 09690813  
PATENT NUMBER:

FILING DATE: 10/18/2000  
ISSUE DATE:

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11-17-2000

FORM PTO-1595  
1-31-92

REC

101518921  
PATENTS ONLY

3ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

David F. SKOLL

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☒ Other Affidavit

Execution Date: 13 October 2000

## 2. Name of receiving party(ies):

CHIPWORKS

Address of receiving party(ies):

3685 Richmond Road  
Suite 500

City: Ottawa

State: Ontario CANADA

ZIP: K2H 5B7

Additional name(s)/address(es) of receiving party(ies) attached? ☐ Yes ☒ NoJc922 U.S. PTO  
09/690813  
10/18/00

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 13 October 2000.

A. Patent Application No(s).

B. Patent No(s).

10/23/2000 HROCHA1 00000081 09690813

04 FC:581

40.00 DP

Additional numbers attached?

☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name:

SWABEY OGILVY RENAULT

Address:

1981 McGill College Avenue  
Suite 1600

City: Montreal

State: Quebec, Canada ZIP: H3A 2Y3

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):

\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account.

## 8. Deposit Account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Max R. Wood, Reg. No. 40,388  
Name of Person Signing

Signature

17 October 2000

Date

Total number of pages comprising cover sheet:

1

File No.: 9-14774-1US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** David F. SKOLL  
**Filed:** Concurrently herewith.  
**Title:** DESIGN ANALYSIS WORKSTATION  
FOR ANALYZING INTEGRATED  
CIRCUITS

-----

Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
U. S. A.

Sir:

**AFFIDAVIT UNDER 37 CFR §1.47(b)**

I, MICHAEL THUMM, of 19 Trotting Way, Kanata, Ontario, Canada, K2M 1B3, make oath and say as follows:

1. I am Chief Financial Officer for CHIPWORKS, the owner of the above-identified invention having a principal place of business at 3685 Richmond Road, Suite 500, Ottawa, Ontario, Canada, K2H 5B7, and as such am knowledgeable of the facts stated herein.
2. David F. SKOLL, the inventor of the above-identified invention, agreed in an executed Employment Agreement dated February 5, 1996 to assign to CHIPWORKS any and all inventions made during his employment at CHIPWORKS. A copy of the Employment Agreement is attached hereto as Appendix A.
3. On June 22, 2000, at the offices of CHIPWORKS identified above, David F. SKOLL, the inventor of the above-identified invention, was requested by myself to execute a Declaration/Power of Attorney and Assignment of the present invention to CHIPWORKS. He orally refused to execute either document and could not be persuaded to do so.

4. In view of the refusal of the inventor David F. SKOLL to sign the documents required for the filing of a patent application in the United States Patent and Trademark Office, the owner, CHIPWORKS, by virtue of the attached Employment Agreement, has executed the Declaration/Power of Attorney on behalf of the inventor David F. SKOLL.

SWORN BEFORE ME at the City )  
of Ottawa, Ontario, Canada, this )  
15<sup>th</sup> day of October, 2000. )  
)  
)  
)  
)  
)  
)

NOTARY PUBLIC

  
MICHAEL THUMM

**Letter of Acceptance:**

I have reviewed and I understand the terms of this offer including those described in the Schedule "A" and I have been given an opportunity to obtain legal advice concerning their interpretation and effect.

I accept the above offer of employment with Chipworks Inc. including the terms in the attached Schedule "A" and will commence employment on Feb. 4, 1996.

David J. Hill  
Signature

5 Feb 1996  
Date

THIS IS APPENDIX A TO THE  
AFFIDAVIT OF MICHAEL THUMM  
SWORN BEFORE ME AT THE CITY  
OF OTTAWA, ONTARIO, CANADA,  
THIS 13<sup>th</sup> DAY OF OCTOBER,  
2000.

[Signature]  
NOTARY PUBLIC

## Schedule A

CHIPWORKS INC.

### CONFIDENTIAL INFORMATION

The Employee acknowledges that Chipworks owns and requires protected certain confidential information, such as trade secrets, confidential strategic specification and processes, sales, finances, marketing and market research data, product formula and research development data, confidential customer and supplier lists which are a valuable asset to Chipworks, the disclosure or use of which would seriously impair and damage Chipworks' business. The Employee, therefore, shall hold in strict confidence and keep confidential all such confidential information and shall not directly or indirectly use or disclose to any person or entity any such confidential information except in the course of performing his duties as an Employee of Chipworks with Chipworks' knowledge and consent.

### INVENTIONS

All inventions, discoveries or improvements (the "Invention") made or created by the Employee during the course of his employment, shall be and remain the exclusive property of Chipworks. The Employee shall have no right, title or interest in any such invention even though the Employee may have greatly contributed to the creation of such invention. The Employee hereby assigns to Chipworks any and all right, title and interest the Employee may have in and to such invention and any patent, copyright, industrial design, trademark, and other similar right pertaining to such invention. Upon Chipworks' request, the Employee will immediately sign any other instruments desirable to specifically assign the Employees rights, title and interest in the invention or relating to an application for any patent, copyright, industrial design, trademark and any other similar right pertaining to such invention.

David J. Glead

Employee's Signature

5 Feb 1996

Date



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 19, 2001

PTAS

SWABEY OGILVY RENAULT  
1981 MCGILL COLLEGE AVENUE  
SUITE 1600  
MONTREAL, QUEBEC H3A 2Y3



\*101816232A\*

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RECORDATION DATE: 08/13/2001

REEL/FRAME: 012076/0305  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LUDLOW, TERRY

DOC DATE: 07/19/2001

ASSIGNOR:

ELVIDGE, JULIA

DOC DATE: 07/19/2001

ASSIGNOR:

PHANEUF, MICHAEL

DOC DATE: 07/19/2001

ASSIGNEE:

CHIPWORKS  
3685 RICHMOND ROAD  
SUITE 500  
OTTAWA, CANADA K2H 5B7

SERIAL NUMBER: 09927551

PATENT NUMBER:

FILING DATE: 08/13/2001

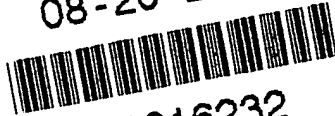
ISSUE DATE:

012076/0305 PAGE 2

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



08-20-2001



101816232  
COVER SHEET  
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08/13/01

TO: The Commissioner of Patents and Trademarks Please record the attached original document(s) or copy(ies).

**Submission Type**

- ☒ New
- ☐ Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- ☐ Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- ☐ Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

**Conveyance Type**

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other \_\_\_\_\_
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

J1046 U.S. PTO  
09/27/551

08/13/01

**Conveying Party(ies)**

☒ Mark if additional names of conveying parties attached

Name (line 1) LUDLOW, Terry

Name (line 2) \_\_\_\_\_

Execution Date  
Month Day Year  
07/19/2001

**Second Party**

Name (line 1) ELVIDGE, Julia

Name (line 2) \_\_\_\_\_

Execution Date  
Month Day Year  
07/19/2001

09/27/551

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) CHIPWORKS

Name (line 2) \_\_\_\_\_

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Address (line 1) 3685 Richmond Road

Address (line 2) Suite 500

Address (line 3) Ottawa Ontario, Canada K2H 5B7

City

State/Country

Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name \_\_\_\_\_

Address (line 1) \_\_\_\_\_

Address (line 2) \_\_\_\_\_

Address (line 3) \_\_\_\_\_

Address (line 4) \_\_\_\_\_

**FOR OFFICE USE ONLY**

08/14/2001 TCEBAHUI 00000060 09507551

04 FC 501

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) PHANEUF, Michael

Execution Date  
Month Day Year  
07/19/2001

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

1046 U.S. PTO  
09/27/51  
68/13/01

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



**Correspondent Name and Address**

Area Code and Telephone Number **613 230 6072**

Name **Swabey Ogilvy Renault**

Address (line 1) **1981 McGill College Avenue**

Address (line 2) **Suite 1600**

Address (line 3) **Montreal, Quebec**

Address (line 4) **H3A 2Y3**

**Pages**

Enter the total number of pages of the attached conveyance document  
including any attachments.

# **1**

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
**07/19/2001**

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

PCT  PCT  PCT

only if a U.S. Application Number  
has not been assigned.

PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# **1**

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:  
Deposit Account

Enclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# **19-5113**

Authorization to charge additional fees:

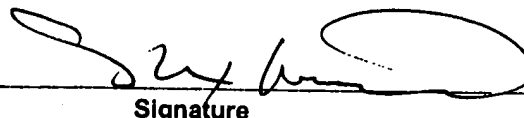
Yes ☒ No ☐

**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Max R. Wood

Name of Person Signing



Signature

08/10/2001

Date

**ASSIGNMENT OF INVENTION  
UNIVERSAL**

**WHEREAS, I/WE TERRY LUDLOW, JULIA ELVIDGE and MICHAEL PHANEUF** of,  
respectively:

379 Island Park Drive, Ottawa, Ontario, Canada, K1Y 0B1;  
225 Third Avenue, Ottawa, Ontario, Canada, K1S 2K3; and  
20 Hampton Avenue, Ottawa, Ontario, Canada, K1Y 0N2

is/are named as inventor(s) in an invention relating to **DESIGN ANALYSIS WORKSTATION FOR ANALYZING INTEGRATED CIRCUITS** and described in a patent application executed on July 15, 2001, which is a continuation of United States patent application Serial No. 09/690,813, filed October 18, 2000; and:

**WHEREAS, CHIPWORKS** of 3685 Richmond Road, Suite 500, Ottawa, Ontario, Canada, K2H 5B7 (hereinafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefore;

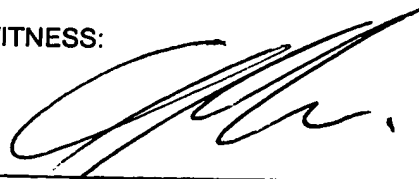
**NOW, THEREFORE,** in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, I/We have and by these presents do hereby sell, assign and transfer unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and I/We hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee.


I/We further agree without any payment by said assignee other than expenses incurred by the undersigned, to communicate to said assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for other proceedings, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my/our heirs, legal representatives, administrators and assigns.

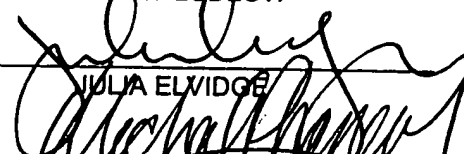
**EXECUTED at Ottawa, Ontario, Canada**


this <sup>K<sup>th</sup></sup> day of July, 2001, in the presence of the undersigned witness.

WITNESS:

  
A. GROVES

  
TERRY LUDLOW

  
JULIA ELVIDGE

  
MICHAEL PHANEUF

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

As the below named inventor(s), I/we declare that:

This declaration is directed to:

- ☒ The attached application, or  
☐ Application No. \_\_\_\_\_, filed on \_\_\_\_\_,  
☐ as amended on \_\_\_\_\_ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and

All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

**FULL NAME OF INVENTOR(S)**Inventor one: David F. SKOLL, per Michael THUMM, Chief Financial Officer for Assignee (see Affidavit)Signature:  Citizen of: CanadaInventor two: Terry LUDLOWSignature:  Citizen of: CanadaInventor three: Julia ELVIDGESignature:  Citizen of: CanadaInventor four: Michael PHANEUFSignature:  Citizen of: Canada☐ Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

File No.: 9-14774-1US-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:** David F. SKOLL  
**Filed:** Concurrently herewith.  
**Title:** DESIGN ANALYSIS WORKSTATION  
FOR ANALYZING INTEGRATED  
CIRCUITS

-----

Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
U. S. A.

Sir:

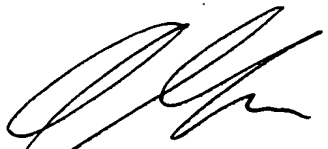
**AFFIDAVIT UNDER 37 CFR §1.47(b)**

I, **MICHAEL THUMM**, of 19 Trotting Way, Kanata, Ontario, Canada, K2M 1B3, make oath and say as follows:

1. I am Chief Financial Officer for CHIPWORKS, the owner of the above-identified invention having a principal place of business at 3685 Richmond Road, Suite 500, Ottawa, Ontario, Canada, K2H 5B7, and as such am knowledgeable of the facts stated herein.
2. David F. SKOLL, the inventor of the above-identified invention, agreed in an executed Employment Agreement dated February 5, 1996 to assign to CHIPWORKS any and all inventions made during his employment at CHIPWORKS. A copy of the Employment Agreement is attached hereto as Appendix A.
3. On June 20, 2001, David F. SKOLL, a co-inventor of the above-identified invention, was presented with a copy of the application and related documentation and requested by myself to execute a Declaration, Power of Attorney and Assignment of the present invention to CHIPWORKS. He orally refused to execute any document and could not be persuaded to do so.

4. In view of the refusal of the co-inventor David F. SKOLL to sign the documents required for the filing of a patent application in the United States Patent and Trademark Office, the owner, CHIPWORKS, by virtue of the attached Employment Agreement, has executed the Declaration and Power of Attorney on behalf of the inventor David F. SKOLL.

SWORN BEFORE ME at the City )  
of Ottawa, Ontario, Canada, this )  
*20<sup>th</sup>* day of *June* 2001. )

 )  
)  
)  
)  
)

NOTARY PUBLIC  
A. GIRONES

  
\_\_\_\_\_  
MICHAEL THUMM

## **Schedul A**

**CHIPWORKS INC.**

### **CONFIDENTIAL INFORMATION**

The Employee acknowledges that Chipworks owns and requires protected certain confidential information, such as trade secrets, confidential strategic specification and processes, sales, finances, marketing and market research data, product formula and research development data, confidential customer and supplier lists which are a valuable asset to Chipworks, the disclosure or use of which would seriously impair and damage Chipworks' business. The Employee, therefore, shall hold in strict confidence and keep confidential all such confidential information and shall not directly or indirectly use or disclose to any person or entity any such confidential information except in the course of performing his duties as an Employee of Chipworks with Chipworks' knowledge and consent.

### **INVENTIONS**

All inventions, discoveries or improvements (the "Invention") made or created by the Employee during the course of his employment, shall be and remain the exclusive property of Chipworks. The Employee shall have no right, title or interest in any such invention even though the Employee may have greatly contributed to the creation of such invention. The Employee hereby assigns to Chipworks any and all right, title and interest the Employee may have in and to such invention and any patent, copyright, industrial design, trademark, and other similar right pertaining to such invention. Upon Chipworks' request, the Employee will immediately sign any other instruments desirable to specifically assign the Employees rights, title and interest in the invention or relating to an application for any patent, copyright, industrial design, trade mark and any other similar right pertaining to such invention.

David J. Hall

Employee's Signature

5 Feb 1996

Date